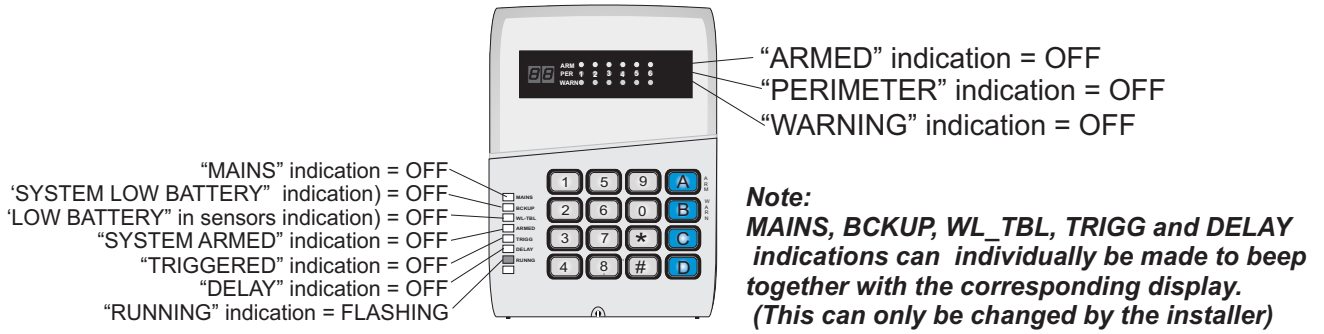
Mini-TRACER user manual

O P E R A T I O N

After the installation completed the remote KEYPAD/DISPLAY/S should indicate the following:
Note:Some of the warning (yellow) lights may temporarily be ON to indicate that some of the zones (doors, windows or motion detectors) are still activated or settling down.


"ARMED" indication = OFF
"PERIMETER" indication = OFF
"WARNING" indication = OFF
"MAINS" indication = OFF
'SYSTEM LOW BATTERY" indication) = OFF
'LOW BATTERY" in sensors indication) = OFF
"SYSTEM ARMED" indication = OFF
"TRIGGERED" indication = OFF
"DELAY" indication = OFF
"RUNNING" indication = FLASHING

Note:
MAINS, BCKUP, WL_TBL, TRIGG and DELAY indications can individually be made to beep together with the corresponding display. (This can only be changed by the installer)

ARMED ZONES 1 TO 6

*The **RED lights** indicate which of the zones are armed.*
- A steady light indicates that the zone is permanently armed (24 hrs).
- A running light indicate which zones are being monitored for an alarm condition.

PERIMETER SECTORS 1 TO 6

*The **GREEN lights** indicate which of the PERIMETER sectors are in warning mode.*

WARN ZONES 1 TO 6

*The **YELLOW lights** indicate which of the zones are in warning mode.*
- The running lights indicate which zones are being monitored for a warning condition.
- A steady light indicates that the zone is currently activated .

This gives you the facility, when leaving your home to check if any windows or doors were left open.

MAINS	*MAINS FAILURE indication:* *This indicator will be **on** to indicate that either there is an AC power failure or that the transformer supplying power to the system has been accidentally unplugged.*
BCKUP	*SYSTEM BATTERY LOW indication:* *The system's battery is left with only 80% of its nominal capacity. (Check mains)*
WL-TBL	*WIRELESS-DETECTOR BATTERY-LOW/TAMPER indication:* *This light will be activated by "poor condition" of the battery in the wireless sensor shown by the digit display . (Change the battery in the sensor indicated).*
ARMED	*SYSTEM ARMED indication:* *This light is on whenever the system is either armed or set on warning mode.*
TRIGG	*SYSTEM TRIGGERED indication:* *This flashing light warns you that an alarm activation has occurred while you were away.*
DELAY	*ENTRY/EXIT DELAY indication:* *It is often required that some of the zones activate only after a preset time delay. This is done when you , the user , would like to keep the arm/disarm REMOTE CONTROL in the house rather then carrying it around at all times. This light will warn that you have initiated a time delay on one of the zones and that you have a limited time (programmable) to reach the REMOTE CONTROL or the KEY-PAD and disarm the system.*
RUNNG	*SYSTEM RUNNING indication:* *This light reassures you that the system is running correctly. If this indicator does not flash regularly, please contact your installer.*

THE KEYPAD

Each keypad can store in memory up to ***ten 4-digits USER codes****. Each code performs different tasks.*

USER 1 CODE *: (factory default* ***1 1 1 1*** *)*
The user 1 code allows the following operations:
- *Select any of the 4 preset patterns.*
- *Select any of the individual zones .*
- *Reset the system/alarm.*
- *Display the logged record of the last 255 alarm activations.*
- *Change his/her own password and those of users 2 to 10.*

USER 2,3 & 4 CODES :
User codes 2, 3, 4 allow the following operations:
- *Select one of the 4 preset patterns.*
- *Select any of the individual zones .*
- *Reset the system/alarm.*
- *Change his/her own password CODE.*

USER 5:
User 5 code is only used in "MULTIUSER MODE" and replaces User 1 and has then the same rights as users 2, 3 and 4:

USER 6, 7, 8, 9 ,10 CODES:
User codes 6, 7, 8, 9 and 10 allow the same functions as users 2 to 5 but ***can not*** *change their own passwords which has to be allocated by user 1 or the installer.*

ARMING YOUR SYSTEM :
- ***preset levels:*** ***(user code) + (the level required) + (A) e.g. 1 1 1 1 # a A .*** *(Arms preset level a)****.***
- ***Individual zones:*** ***(user code) + (the zones required) + (A) e.g. 1 1 1 1 # 1,2,3,5 A .*** *(Arms* ***zones 123&5****.*
- ***quick arming:*** *Press and Hold button* ***A, B , C or D*** *to "Quick Arm" the system to the respective level* ***a,b,c*** *or* ***d.***

*If an exit delay had been programmed, you have a preset time to leave the premises****.***
(pressing 1 will remove the delay)

DIS-ARMING YOUR SYSTEM
(user code) + # + # e.g. 1 1 1 1 # # *(All zones will be dis-armed).*
(if an entry delay had been programmed, you have preset time to enter the premises and disarm the system).

SELECTING THE WARNING MODE:
- ***preset levels:*** ***(user code) + (the level required) + (B) e.g. 1 1 1 1 # a B .*** *(****Warning*** *preset level a)****.***
- ***Individual zones:*** ***(user code) + (the zones required) + (B) e.g. 1 1 1 1 # 1,2,3,5 B .*** *(****Warn-zones 123&5****.*
- ***quick warning mode:*** *Press and Hold buttons* ***" * "*** *and either* ***A, B , C or D*** *to "****Quick Warn mode****" the system to the respective level* ***A, B, C or D.***

GENERAL:

Notes *:*
1- Both entry and exit delays will be indicated by an intermittent bleeper (if so selected).
2- Running" LED'S on the display indicate zones being monitored.
3- Steady" LED'S on the display indicate "permanently" armed zones.
4- To silence "battery low" and "mains failure" bleeper hold ***"0"*** *until the bleeper is switched off.*
5- Pressing these 2 keys simultaneously will cause the following signals to be activated:
**** and #*** *will activate a* ***panic signal.***
4 and 6 *will activate the* ***transmitter*** *for a test transmission.*

PLEASE TEST YOUR SYSTEM REGULARLY (at least once a week) WITH THE CONTROL ROOM

Arming by Users: 1, 2, 3 & 4

OPERATION	USER ? CODE	ZONES	
ARM ZONE 1 BY USER 1	1 1 1 1 #	1	A
ARM ZONE 1 BY USER 2	2 2 2 2 #	2	A
ARM ZONE ? BY USER 3	3 3 3 3 #	?	A
MULTIPLE ENTRIES AND UPDATING IS ALLOWED	? ? ? ? #	1 3 5	A
ARM PRESET PATTERN "A"	? ? ? ? #	A	A
ARM PRESET PATTERN "B"	? ? ? ? #	B	A
ARM PRESET PATTERN "C"	? ? ? ? #	C	A
ARM PRESET PATTERN "D"	? ? ? ? #	D	A

Set Warning by Users: 1, 2, 3 & 4

SET TO WARNING ZONE 1	? ? ? ? # 1	B
SET TO WARNING PRESET "A"	? ? ? ? # A	B
MULTIPLE ENTRIES AND UPDATING IS ALLOWED	? ? ? ? # 1 3 5	B

Disarming and Resetting by Users: 1, 2, 3 & 4

DISARM ALL ZONES ? ? ? ? # #

If you are User 1 you can change the Codes of users 2, 3 & 4

CHANGE CODES OF USER 1 TO 10 — 1 1 1 1 # X ? ? ? ? #

NEW CODE (4 DIGITS)

USER NO "1,2,3,4,5,6,7,8,9 or A"

THE NEW CODE WILL BE PLAYED BACK ON THE DISPLAY.
- PRESS " # " TO ACCEPT THE NEW CODE
- ANY OTHER KEY WILL ENTER A NEW CODE.

If you are User 1 you can enable or disable Auto-arming

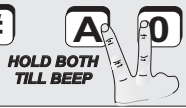
If enabled 15min or 2 hrs after the zone 1 was last triggered the system will arm automatically

ENABLE AUTO - ARM — 1 1 1 1 # A 1

NOTE: THIS OPERATION WILL SHOW A " 1 " ON THE DISPLAY.

New!!

DISABLE AUTO - ARM — 1 1 1 1 # A 0



NOTE: THIS OPERATION WILL SHOW A " 0 " ON THE DISPLAY.

LIST OF USEFUL "QUICK SINGLE AND DOUBLE-KEYS"

New!! QUICK WARN LEVEL A — * + A — HOLD BOTH TILL BEEP

New!! QUICK WARN LEVEL B — * + B — HOLD BOTH TILL BEEP

New!! QUICK WARN LEVEL C — * + C — HOLD BOTH TILL BEEP

New!! QUICK WARN LEVEL D — * + D — HOLD BOTH TILL BEEP

PANIC ACTIVATION — * + # — HOLD BOTH TILL BEEP

SEND TEST TRANSMISSION — 4 + 6 — HOLD BOTH TILL BEEP

MEDICAL — 1 + 3 — HOLD BOTH TILL BEEP

QUICK ARMING LEVEL A — A — HOLD TILL BEEP

QUICK ARMING LEVEL B — B — HOLD TILL BEEP

QUICK ARMING LEVEL C — C — HOLD TILL BEEP

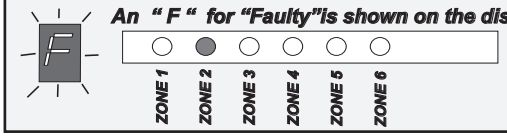
QUICK ARMING LEVEL D — D — HOLD TILL BEEP

WIRELESS SUPERVISION REPORT — *

WIRELESS DETECTOR SUPERVISION REPORT

Please note: This function will work correctly only if both the "Wireless Zone supervision" option (Pg 10) and the active wireless zones have been enabled by the installer.

An " F " for "Faulty"is shown on the display.



New!!

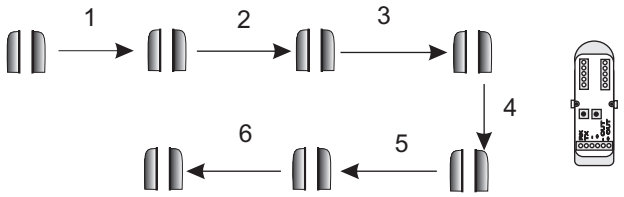
SECTIONAL PERIMETER INTRUSION System (S.P.I.)

An extra 6 perimeter beams can be connected to the new MINI-Tracer. The unit will monitor these perimeter beams and indicate which beam was triggered. The activation of the beams will only sound locally and **will not** report the activation to the control room.

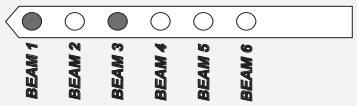
The perimeter beams can be armed by following this procedure:

(Note: For this feature to work correctly you need to do the following:
1- The beams used must be programmed and be functional (aligned)
2-The SPI System option must be enabled by the installer - page 10 .
3- The number of active sectors / beams must be programmed by the installer - page 10

New!!



ARM PERIMETER SECTIONAL BEAMS — 1 1 1 1 # 0 1 3 #



SET SENSITIVITY LEVELS FOR EACH SECTION — 1 1 1 1 # 9 d 2 L 1 #

USER1 CODE

Device NO

Level

1=0.3 Sec	5= 2 Sec
2=0.5 Sec	6= 5 Sec
3=0.8 Sec	7=10 Sec
4=1.2 Sec	8=20 Sec

Use the table to select the level (interruption time before alarm)

WIRELESS ZONE SUPERVISION TEST

(Please note: Both the "Wireless Zone supervision" option (Pg 8) and the active wireless zones (pg 10) need to be enabled by the installer before this function will work correctly.)

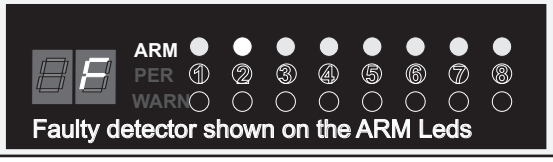
The MINI-TRACER is capable of reporting a faulty wireless detector.

To display the faulty (non reporting) wireless detector press and hold the * key until it beeps

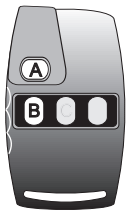
New!!

WIRELESS ZONE SUPERVISION — * — HOLD TILL BEEP

An " F " is shown on the display.



THE REMOTE CONTROL



The remote controls are supplied with either ***1 , 2*** *(standard) or 3 buttons:*

- ***BUTTON A*** *is used for* ***Emergency/Panic.***
- ***BUTTON B*** *is used to* ***arm, disarm, and reset*** *the system.*

- ***BUTTON A & B*** *pressed* ***together*** *will send a* ***test*** *signal to the control room (only with radio or tele-communicator)*

REMOTE PANIC BUTTON "A":

- ***button "A"*** *will* ***ALWAYS*** *trigger the* ***emergency operation and send a "Panic " signal to the control room.***

ARM / DISARM BUTTON "B"

To arm the system : (see table on back page)

Press ***BUTTON B.*** ***Y****ou now have* ***four*** *options: (not with SNIPER models)*

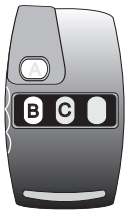
1- Let the system automatically step through the three levels ***"A", "B" , "C"*** *and* ***automatically arm level "D"****.*

2- While stepping through the preset levels press ***BUTTON A*** *to select that level in ARM MODE*

3- While stepping through the preset levels press ***BUTTON B*** *to select that level in WARNING MODE*

4-While stepping through the levels press ***both buttons*** *at the same time to access the* ***CUSTOMER programming mode*** *(see below) which allows you to change the zone configuration in that pattern.*

To disarm the system*, (From armed /warning status) press* ***BUTTON B*** *until a* ***two beeps are heard*** *through the buzzer /siren or the remote display.*



NOTE:

- A single beep will indicate that the system has been armed.

When arming, 6 short beeps indicate that one or more of the zones are in the open condition.

After the warning the system will Arm regardless but will not activate if the zone stays open.

-Two beeps will indicate that the system has been disarmed.

ENTERING THE WARNING MODE

Note that following mode WILL NOT trigger the siren or send a signal to the Control Room.

The buzzer will warn you whenever a zone is being violated.

Select the designated level to be in the ***warning mode. (Refer to the above table)****1. Press* ***BUTTON B once****.*

The system ***automatically steps*** *through levels* ***"A"*** *to* ***" D."***

2. Stop the display at the level required by pressing ***BUTTON B*** *once .*

3. The system is now ***SET TO WARNING MODE*** *at this selected level.*

GENERAL NOTES*:*

*-****Resetting*** *of the system may be done at any time using* ***BUTTON B****.*

-Indications on the remote display units are retained until the system is armed again. This will allow you to ascertain the cause of the alarm even after resetting

CUSTOMER PROGRAMMING MODE (using the remote control)

Note: It is strongly recommended that this be done in consultation with your installer.

If you have entered the programming mode (4 on Page 1) a yellow light will be ***ON*** *for zone No. 1.*

The ***two remote buttons*** *have now assumed* ***different roles*** *where* ***BUTTON B*** *will* ***toggle*** *the corresponding red light and* ***BUTTON A*** *will* ***step*** *to the next zone. In this way it is possible to change the patterns to suit new requirements.*

An error may be easily rectified using BUTTON A to toggle back or BUTTON B, to step right around.

To leave the programming mode ***PRESS BOTH BUTTONS TOGETHER*** *(BUTTON A & BUTTON B).*

Should you loose your remote, call your installer to replace the remote and change your code.

AUTO - ARMING (if enabled)

When the auto-arming feature is enabled (programmable for ***2 hours or 15 minutes by installer****) the system will arm itself if no movement or any other activations have been detected within the selected time period.*

This function is useful when you forget to arm your alarm system. The system will arm itself 15 min /2 hours after you have left the house or went to bed. You can turn the auto-arming on and off as you please.

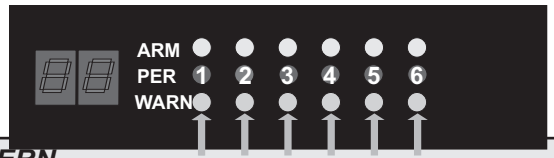
Note: Entry / Exit will only function correctly if Zone 1 is the last zone triggered when you leave your premises. *Level 'A' will be the "at home /sleep" arming pattern and Level 'D' the "away" arming pattern.*

MULTI-USER Operation (ZONE-SHARING):

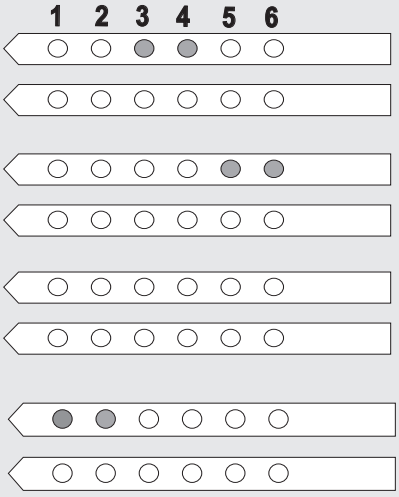
*One important feature of **MULTI-TRACER** is its ability to operate in **MULTI-USER or ZONE-SHARING** mode.*
(This option is set in the option register 1.- Page 8)
*This mode allows up to 4 users to independently operate **the same control panel and accessories**. In this mode **USER 1** (who normally has special rights) **is replaced by a user 5** who has the same rights as users 2,3 and 4. **USER 6, 7, 8, 9 & 10** are not available in this mode.*
Understanding how the zone-sharing concept works is simple .... just remember the following:

Assume that users 2 and 3 are sharing some zones....
*-To **DISARM** shared zones think of the **OR** function (e.g. EITHER user 2 **OR** user 3 can disarm)*
*-To **ARM** shared zones think of the **AND** function (e.g. BOTH user 2 **AND** user 3 must arm)*
It is possible to provide each user with a specially coded remote control. (Ask your installer about it.)

***EXAMPLE**:*
USER 2 HAS ACCESS TO ZONES 2, 3 and 4 in common with user 3
USER 3 HAS ACCESS TO ZONES 6, 7 and 4 in common with user 2
*ZONE 4 can be activated only if user 2 **AND** 3 have armed it.*
*but can be deactivated either by user 2 **OR** 3.*



OPERATION	USER CODE	PATTERN
ARM PRESET PATTERN "B"	2 2 2 2 #	A
DISARM PRESET PATTERN "B"	2 2 2 2 #	#
ARM PRESET PATTERN "C"	X3 X3 X3 X3 #	A
DISARM PRESET PATTERN "C"	X3 X3 X3 X3 #	#
ARM PRESET PATTERN "D"	X4 X4 X4 X4 #	A
DISARM PRESET PATTERN "D"	X4 X4 X4 X4 #	#
ARM PRESET PATTERN "A"	X5 X5 X5 X5 #	A
DISARM PRESET PATTERN "A"	X5 X5 X5 X5 #	#



***Every time one of the users arms/disarms the sys**tem , the new condition is reported to the control room.*

MULTIPLE ENTRIES ARE ALLOWED (ONLY WITHIN ALLOWED MASK IN MULTIUSER): 2 2 2 2 # 1 3 5 A

SET TO WARNING (YELLOW LEDS): 2 2 2 2 # B

CHANGE CODE OF USER 2: 2 2 2 2 — EXISTING USER 2 CODE — # HOLD TILL BEEP — ? ? ? ? # NEW CODE (4 DIGITS)

THE NEW CODE WILL BE PLAYED BACK ON THE DISPLAY.
- PRESS " # " TO ACCEPT THE NEW CODE
- ANY OTHER KEY WILL ENTER E NEW CODE.

CHANGE CODE OF USER 3: 3 3 3 3 — EXISTING USER 2 CODE — # HOLD TILL BEEP — ? ? ? ? #

CHANGE CODE OF USER 4: 4 4 4 4 — EXISTING USER 2 CODE — # HOLD TILL BEEP — ? ? ? ? #

CHANGE CODE OF USER 5: 5 5 5 5 — EXISTING USER 2 CODE — # HOLD TILL BEEP — ? ? ? ? #

Your "MINI-TRACER" Security System - zone description and pattern allocation –

Premises:

*There are **SIX** working zones on your alarm system. These **SIX** zones correspond to the following areas in the house.*

ZONE 1. _____ *ZONE 5.* _____

ZONE 2. _____ *ZONE 6.* _____

ZONE 3. _____

ZONE 4. _____

Zone allocation for each level (mark with a cross)

	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6		
Level "A								
Level "B"								
Level "C"								
Level "D"								

Perimeter:

*There are **also SIX optional perimeter sectors o**n your alarm system. These **SIX** sectors correspond to the following*

*SECTOR 1*_____ *SECTOR 5* _____

SECTOR 2 _____ *SECTOR 6.* _____

SECTOR 3 _____

SECTOR 4 _____

Perimeter sector allocation for each level (mark with a cross)

	SECTOR 1	SECTOR 2	SECTOR 3	SECTOR 4	SECTOR 5	SECTOR 6		
Level "A								
Level "B"								
Level "C"								
Level "D"								

MANUFACTURER'S NOTE

Congratulations !! You are now the owner of one of the most sophisticated and featured alarm systems in South Africa. The " MINI-TRACER" system has evolved over the last 15 years, during which time the STATE OF THE ART technology was continuously applied and manufacturing perfected. This latest model has been developed with the End-user, insurance companies and corresponding armed response pre-requisites in mind - it is user friendly, it is versatile, it encompasses all latest features and requirements of a modern alarm system and above all, it is 100% a South African product. We trust it will serve you well and afford you complete peace of mind, whether at home or away

DATE OF INSTALLATION: _____

INSTALLED BY: _____

CONTACT NUMBER: _____